O I P E JC67
MAR 2 5 2004
PATENT & TRADEMARK OFFICE

SEQUENCE LISTING

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<110>  Weber, Georg F.

<120> OSTEOPONTIN-BASED CANCER THERAPIES


<130> 00398-148001

<140> US 10/678,355
<141> 2003-10-02

<150> US 60/415,712
<151> 2002-10-02

<160> 9

<170> FastSEQ for Windows Version 4.0

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<212> DNA
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gccacatggc taaaccctga cccatctcag aagcagaatc tcctagcccc acagaatgct     180
gtgtcctctg aagaaaccaa tgactttaaa caagagaccc ttccaagtaa gtccaacgaa     240
agccatgacc acatggatga tatggatgat gaagatgatg atgaccatgt ggacagccag     300
gactccattg actcgaacga ctctgatgat gtagatgaca ctgatgattc tcaccagtct     360
gatgagtctc accattctga tgaatctgat gaactggtca ctgattttcc cacggacctg     420
ccagcaaccg aagttttcac tccagttgtc cccacagtag acacatatga tggccgaggt     480
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taccctgatg ctacagacga gcacatcacc tcacacatgg aaagcgagga gttgaatggt     600
gcatacaagg ccatccccgt tgcccaggac ctgaacgcgc cttctgattg ggacagccgt     660
gggaaggaca gttatgaaac gagtcagctg gatgaccaga gtgctgaagc ccacagccac     720
aagcagtcca gattatataa gcggaaagct aatgatgaga gcaatgagca ttccgatgtg     780
attgatagtc aggaactttc caaagtcagc cgtgaattcc acagccatga atttcacagc     840
catgaagata tgctggttgt agaccccaaa agtaaggaag aagataaaca cctgaaattt     900
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<210> 2
<211> 314
<212> PRT
<213> Homo sapiens

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Ile Pro Val Lys Gln Ala Asp Ser Gly Ser Ser Glu Glu Lys Gln Leu
            20                  25                  30
Tyr Asn Lys Tyr Pro Asp Ala Val Ala Thr Trp Leu Asn Pro Asp Pro
        35                  40                  45
Ser Gln Lys Gln Asn Leu Leu Ala Pro Gln Asn Ala Val Ser Ser Glu
    50                  55                  60
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Glu Thr Asn Asp Phe Lys Gln Glu Thr Leu Pro Ser Lys Ser Asn Glu
65                  70                  75                  80
Ser His Asp His Met Asp Asp Met Asp Asp Glu Asp Asp Asp Asp His
                85                  90                  95
Val Asp Ser Gln Asp Ser Ile Asp Ser Asn Asp Ser Asp Asp Val Asp
            100                 105                 110
Asp Thr Asp Asp Ser His Gln Ser Asp Glu Ser His His Ser Asp Glu
        115                 120                 125
Ser Asp Glu Leu Val Thr Asp Phe Pro Thr Asp Leu Pro Ala Thr Glu
    130                 135                 140
Val Phe Thr Pro Val Val Pro Thr Val Asp Thr Tyr Asp Gly Arg Gly
145                 150                 155                 160
Asp Ser Val Val Tyr Gly Leu Arg Ser Lys Ser Lys Lys Phe Arg Arg
                165                 170                 175
Pro Asp Ile Gln Tyr Pro Asp Ala Thr Asp Glu His Ile Thr Ser His
            180                 185                 190
Met Glu Ser Glu Glu Leu Asn Gly Ala Tyr Lys Ala Ile Pro Val Ala
        195                 200                 205
Gln Asp Leu Asn Ala Pro Ser Asp Trp Asp Ser Arg Gly Lys Asp Ser
    210                 215                 220
Tyr Glu Thr Ser Gln Leu Asp Asp Gln Ser Ala Glu Ala His Ser His
225                 230                 235                 240
Lys Gln Ser Arg Leu Tyr Lys Arg Lys Ala Asn Asp Glu Ser Asn Glu
                245                 250                 255
His Ser Asp Val Ile Asp Ser Gln Glu Leu Ser Lys Val Ser Arg Glu
            260                 265                 270
Phe His Ser His Glu Phe His Ser His Glu Asp Met Leu Val Val Asp
        275                 280                 285
Pro Lys Ser Lys Glu Glu Asp Lys His Leu Lys Phe Arg Ile Ser His
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Glu Leu Asp Ser Ala Ser Ser Glu Val Asn
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<212> DNA
<213> Homo sapiens

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gccacatggc taaaccctga cccatctcag aagcagaatc tcctagcccc agagaccctt     180
ccaagtaagt ccaacgaaag ccatgaccac atggatgata tggatgatga agatgatgat     240
gaccatgtgg acagccagga ctccattgac tcgaacgact ctgatgatgt agatgacact     300
gatgattctc accagtctga tgagtctcac cattctgatg aatctgatga actggtcact     360
gattttccca cggacctgcc agcaaccgaa gttttcactc cagttgtccc cacagtagac     420
acatatgatg gccgaggtga tagtgtggtt tatggactga ggtcaaaatc taagaagttt     480
cgcagacctg acatccagta ccctgatgct acagacgagc acatcacctc acacatggaa     540
agcgaggagt tgaatggtgc atacaaggcc atccccgttg cccaggacct gaacgcgcct     600
tctgattggg acagccgtgg gaaggacagt tatgaaacga gtcagctgga tgaccagagt     660
gctgaagccc acagccacaa gcagtccaga ttatataagc ggaaagctaa tgatgagagc     720
aatgagcatt ccgatgtgat tgatagtcag gaactttcca aagtcagccg tgaattccac     780
agccatgaat ttcacagcca tgaagatatg ctggttgtag accccaaaag taaggaagaa     840
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<211> 300
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<212> PRT
<213> Homo sapiens

<400> 4
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 1              5                   10                  15
Ile Pro Val Lys Gln Ala Asp Ser Gly Ser Ser Glu Glu Lys Gln Leu
            20                  25                  30
Tyr Asn Lys Tyr Pro Asp Ala Val Ala Thr Trp Leu Asn Pro Asp Pro
        35                  40                  45
Ser Gln Lys Gln Asn Leu Leu Ala Pro Glu Thr Leu Pro Ser Lys Ser
    50                  55                  60
Asn Glu Ser His Asp His Met Asp Asp Met Asp Asp Glu Asp Asp Asp
65                  70                  75                  80
Asp His Val Asp Ser Gln Asp Ser Ile Asp Ser Asn Asp Ser Asp Asp
                85                  90                  95
Val Asp Asp Thr Asp Asp Ser His Gln Ser Asp Glu Ser His His Ser
            100                 105                 110
Asp Glu Ser Asp Glu Leu Val Thr Asp Phe Pro Thr Asp Leu Pro Ala
        115                 120                 125
Thr Glu Val Phe Thr Pro Val Val Pro Thr Val Asp Thr Tyr Asp Gly
    130                 135                 140
Arg Gly Asp Ser Val Val Tyr Gly Leu Arg Ser Lys Ser Lys Lys Phe
145                 150                 155                 160
Arg Arg Pro Asp Ile Gln Tyr Pro Asp Ala Thr Asp Glu His Ile Thr
                165                 170                 175
Ser His Met Glu Ser Glu Glu Leu Asn Gly Ala Tyr Lys Ala Ile Pro
            180                 185                 190
Val Ala Gln Asp Leu Asn Ala Pro Ser Asp Trp Asp Ser Arg Gly Lys
        195                 200                 205
Asp Ser Tyr Glu Thr Ser Gln Leu Asp Asp Gln Ser Ala Glu Ala His
    210                 215                 220
Ser His Lys Gln Ser Arg Leu Tyr Lys Arg Lys Ala Asn Asp Glu Ser
225                 230                 235                 240
Asn Glu His Ser Asp Val Ile Asp Ser Gln Glu Leu Ser Lys Val Ser
                245                 250                 255
Arg Glu Phe His Ser His Glu Phe His Ser His Glu Asp Met Leu Val
            260                 265                 270
Val Asp Pro Lys Ser Lys Glu Glu Asp Lys His Leu Lys Phe Arg Ile
        275                 280                 285
Ser His Glu Leu Asp Ser Ala Ser Ser Glu Val Asn
    290                 295                 300

<210> 5
<211> 861
<212> DNA
<213> Homo sapiens

<400> 5
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gactttaaac aagagaccct tccaagtaag tccaacgaaa gccatgacca catggatgat     180
atggatgatg aagatgatga tgaccatgtg gacagccagg actccattga ctcgaacgac     240
tctgatgatg tagatgacac tgatgattct caccagtctg atgagtctca ccattctgat     300
gaatctgatg aactggtcac tgattttccc acggacctgc cagcaaccga agttttcact     360
ccagttgtcc ccacagtaga cacatatgat ggccgaggtg atagtgtggt ttatggactg     420
aggtcaaaat ctaagaagtt tcgcagacct gacatccagt accctgatgc tacagacgag     480
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cacatcacct cacacatgga aagcgaggag ttgaatggtg catacaaggc catccccgtt      540
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agtcagctgg atgaccagag tgctgaagcc cacagccaca agcagtccag attatataag      660
cggaaagcta atgatgagag caatgagcat tccgatgtga ttgatagtca ggaactttcc      720
aaagtcagcc gtgaattcca cagccatgaa tttcacagcc atgaagatat gctggttgta      780
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<210> 6
<211> 287
<212> PRT
<213> Homo sapiens

<400> 6
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Ile Pro Val Lys Gln Ala Asp Ser Gly Ser Ser Glu Glu Lys Gln Asn
            20                  25                  30
Ala Val Ser Ser Glu Glu Thr Asn Asp Phe Lys Gln Glu Thr Leu Pro
        35                  40                  45
Ser Lys Ser Asn Glu Ser His Asp His Met Asp Asp Met Asp Asp Glu
    50                  55                  60
Asp Asp Asp Asp His Val Asp Ser Gln Asp Ser Ile Asp Ser Asn Asp
65                  70                  75                  80
Ser Asp Asp Val Asp Asp Thr Asp Asp Ser His Gln Ser Asp Glu Ser
                85                  90                  95
His His Ser Asp Glu Ser Asp Glu Leu Val Thr Asp Phe Pro Thr Asp
            100                 105                 110
Leu Pro Ala Thr Glu Val Phe Thr Pro Val Val Pro Thr Val Asp Thr
        115                 120                 125
Tyr Asp Gly Arg Gly Asp Ser Val Val Tyr Gly Leu Arg Ser Lys Ser
    130                 135                 140
Lys Lys Phe Arg Arg Pro Asp Ile Gln Tyr Pro Asp Ala Thr Asp Glu
145                 150                 155                 160
His Ile Thr Ser His Met Glu Ser Glu Glu Leu Asn Gly Ala Tyr Lys
                165                 170                 175
Ala Ile Pro Val Ala Gln Asp Leu Asn Ala Pro Ser Asp Trp Asp Ser
            180                 185                 190
Arg Gly Lys Asp Ser Tyr Glu Thr Ser Gln Leu Asp Asp Gln Ser Ala
        195                 200                 205
Glu Ala His Ser His Lys Gln Ser Arg Leu Tyr Lys Arg Lys Ala Asn
    210                 215                 220
Asp Glu Ser Asn Glu His Ser Asp Val Ile Asp Ser Gln Glu Leu Ser
225                 230                 235                 240
Lys Val Ser Arg Glu Phe His Ser His Glu Phe His Ser His Glu Asp
                245                 250                 255
Met Leu Val Val Asp Pro Lys Ser Lys Glu Glu Asp Lys His Leu Lys
            260                 265                 270
Phe Arg Ile Ser His Glu Leu Asp Ser Ala Ser Ser Glu Val Asn
        275                 280                 285

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<212> PRT
<213> Homo sapiens

<400> 7
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Gly Arg Gly Asp Ser
 1               5

<210> 8
<211> 7
<212> PRT
<213> Homo sapiens

<400> 8
Ser Val Val Tyr Gly Leu Arg
 1               5

<210> 9
<211> 11
<212> PRT
<213> Homo sapiens

<400> 9
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 1               5                   10
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